

ABSTRACT OF DISCLOSURE

A deinterlacing apparatus and method use a buffer unit having a previous field buffer, a current field buffer, and a next field buffer to store, sequentially, individual fields of an image signal; calculate a Sum of Absolute Difference (SAD) value of a predetermined search region unit with reference to a next field stored in the next field buffer and a previous field stored in the previous field buffer; determine whether the predetermined search region is a still region and whether a source of the image signal is a film based on the SAD value; uses a 3D interpolation unit to output adaptively a temporal interpolation value and a spatial interpolation value based on motion information; and adaptively select a deinterlacing result based on the previous field, the next field, and an output of the 3D interpolation unit according to a signal outputted from the still region/film mode detection unit.